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Application Number		10505224
Filing Date		2004-08-20
First Named Inventor	Yoshinori TESHIMA	
Art Unit		
Examiner Name		
Attorney Docket Number	ASAIN0150	

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DW	1	4694404		1987-09-15	Meagher		
	2	5197013		1993-03-23	Dundorf		
	3	5517602		1996-05-14	Natarajan		
	4	6075538		2000-06-13	Shu et al.		
	5	6214279		2001-04-10	Yang et al.		
	6	6471800	B2	2002-10-29	Jang et al.		
	7	6606528	B1	2003-08-12	Hagmeier et al.		
DW	8	6627835	B1	2003-09-30	Chung et al.		

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DW	9	6643560	B2	2003-11-04	Shimomura	→
DW	10	7088363	B2	2006-08-08	Kase et al.	→
DW	11	7110852	B2	2008-09-19	Ohmori et al.	→

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DW	1	20030001836	A1	2003-01-02	Ernst et al.	→
DW	2	20040267400	A1	2004-12-30	Ohmori et al.	→
DW	3	20050015173	A1	2005-01-20	Ohmori et al.	→

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DW	1.	0 938 949	EP	A1	1999-09-01	The Institute of Physical and Chemical Research	→	<input checked="" type="checkbox"/>

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DW	2	1 229 463	EP	A2	2002-08-07	Riken	/	<input checked="" type="checkbox"/>
	3	02-236877	JP		1990-09-19	Hitachi Ltd	/	<input checked="" type="checkbox"/>
	4	03-021432	JP		1991-01-30	E I DuPont De Nemours & Co	/	<input checked="" type="checkbox"/>
	5	04-075850	JP		1992-03-10	Hitachi Seiki Co Ltd	/	<input checked="" type="checkbox"/>
	6	06-315849	JP		1994-11-15	Nikon Corp	/	<input checked="" type="checkbox"/>
	7	07-057089	JP		1995-03-03	Toshiba Corp	/	<input checked="" type="checkbox"/>
	8	07-334541	JP		1995-12-22	Hitachi Ltd	/	<input checked="" type="checkbox"/>
	9	10-063873	JP		1998-03-06	ATR Tsushin Syst Kenkyusho:KK	/	<input checked="" type="checkbox"/>
	10	11-098400	JP		1999-04-09	Hitachi Ltd	/	<input checked="" type="checkbox"/>
	11	2000-182081	JP		2000-06-30	Suzuki Motor Corp.	/	<input checked="" type="checkbox"/>
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DW	13	2000-340476	JP		2000-12-08	Semiconductor Leading Edge Technologies Inc	—	<input checked="" type="checkbox"/>
	14	2001-022861	JP		2001-01-26	Ricoh Co Ltd	—	<input checked="" type="checkbox"/>
	15	2001-025023	JP		2001-01-26	Nippon Telegr & Teleph Corp (NTT)	—	<input checked="" type="checkbox"/>
	16	2001-370040	JP		2001-04-12	Riken	—	<input checked="" type="checkbox"/>
	17	2002-024308	JP		2002-01-25	Suzuki Motor Corp	—	<input checked="" type="checkbox"/>
	18	2001-225393	JP		2001-08-21	Teijin Seiki Co Ltd	—	<input checked="" type="checkbox"/>
	19	2002-230054	JP		2002-08-16	Institute of Physical & Chemical Research	—	<input checked="" type="checkbox"/>
	20	2003-044528	JP		2003-02-14	Fuji Heavy Ind Ltd	—	<input checked="" type="checkbox"/>
DW	21	02/23408	WQ	A1	2002-03-21	Hitachi Ltd	—	<input checked="" type="checkbox"/>

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DW	1	AVILA, RICARDO S., et al., "A Haptic Interaction Method for Volume Visualization," October 27, 1996, pp. 197-204	<input checked="" type="checkbox"/>
	2	AYALA, D., et al., "Object Representation by Means of Nonminimal Division Quadrees and Octrees," ACM Transactions on Graphics, January 1985, pp. 41-59, Vol. 4, No. 1.	<input checked="" type="checkbox"/>
	3	HOFFMANN, CHRISTOPH M., "The Problems of Accuracy and Robustness in Geometric Computation", March 1989, pp. 31-41.	<input checked="" type="checkbox"/>
	4	JU, TAO, et al. "Dual Contouring of Hermite Data," pp. 1-8, 2002.	<input checked="" type="checkbox"/>
	5	KASE, K. et al., "Volume CAD", Volume Graphics, pp. 145-173, 2003.	<input checked="" type="checkbox"/>
	6	LORENSEN, WILLIAM E. et al., "Marching Cubes: A High Resolution 3D Surface Construction Algorithm", Computer Graphics, Vol. 21, No. 4, pp. 163-169, 1987	<input checked="" type="checkbox"/>
	7	NAVAZO, I. et al., "A Geometric Modeller based on the Exact Octree Representation of Polyhedra", Computer Graphics Forum 5, pp. 91-104, 1986.	<input checked="" type="checkbox"/>
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	9	ROY, U., et al., "Computation of a geometric model of a machined part from its NC machining programs," Computer-Aided Design, 1999, pp. 401-411, No. 31	<input checked="" type="checkbox"/>
	10	SHUTE, GARY, "Overview of C Programming," August 23, 1999, <a href="http://www.d.umn.edu/~gshute/C/overview.html">http://www.d.umn.edu/~gshute/C/overview.html</a> , printed November 1, 2004	<input checked="" type="checkbox"/>
DW	11	TESHIMA, YOSHINORI et al., "Shape Approximation, Cube Cutting and Enumeration", ISM Symposium 2003 - Statistics, Combinatorics and Geometry-20-22, p. 9, 2003.	<input checked="" type="checkbox"/>

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DW	12	YAMAGUCHI, K. et al, "Computer-Integrated Manufacturing of Surfaces Using Octree Encoding," IEEE CG&A, January 1984, pp. 60-62	<input checked="" type="checkbox"/>
DW	13	ZESHENG, TANG, "Octree Representation and Its Applications in CAD," Journal of Computer Science and Technology, 1992, pp. 29-38, Vol. 7, No. 1	<input checked="" type="checkbox"/>

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Examiner Name	Daniel C. Washburn
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	2	6136252		2000-10-24	Bedal et al.	
	3	5807448		1998-09-15	Nakazawa	
	4	5510066		1996-04-23	Fink et al.	
	5	5345490		1994-09-06	Finnigan et al.	
	6	5303141		1994-04-12	Batchelder et al.	
	7	4665492		1987-05-12	Masters	
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/DW/	1	KOBBELT, Leif P. et al., "Feature Sensitive Surface Extraction from Volume Data," ACM SIGGRAPH 2001, August 12-17, 2001, pp. 47-66	<input type="checkbox"/>
↓	2	BRUNET, Pere et al., "Solid Representation and Operation Using Extended Octrees," ACM Transactions on Graphics, Vol. 9, No. 2, April 1990, pp. 170-197	<input type="checkbox"/>
↓	3	PFISTER, Hanspeter et al., "Cube-4 - A Scalable Architecture for Real-Time Volume Rendering," IEEE 1996, pp. 47-54, 100.	<input type="checkbox"/>
↓ /DW/	4	WALLIN, Ake, "Constructing Isosurfaces from CT Data," IEEE Computer Graphics & Applications, IEEE 1991, pp. 28-33.	<input type="checkbox"/>

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/DW/	1	HALEY, Michael B., "Incremental Volume Rendering Using Hierarchical Compression," Eurographics '96 Volume 15, Number 3, 1996, pp. 45-55	<input type="checkbox"/>
/DW/	2	WARD, Gregory J., "The RADIANCE Lighting Simulation and Rendering System," Computer Graphics Proceedings, Annual Conference Series, 1994, pp. 459-472	<input type="checkbox"/>
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Filing Date	2004-08-20
First Named Inventor	Yoshinori TESHIMA
Art Unit	5393
Examiner Name	Daniel C. Washburn
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